



15<sup>TH</sup> Anniversary YEAR

# THE BLURB

AREA MEMBER

PHILMONT MOBILE RADIO CLUB INC.

April  
1964

COMING  
APRIL 5<sup>TH</sup>  
PHILMONT  
XMTR-HUNT



PHILMONT'S *Stag Dinner*  
APRIL 15<sup>TH</sup>  
ALPINE INN

VOLUME 14

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The "BLURB" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "BLURB" is mailed on the last Monday of the month. All material for the "BLURB" must be received by the Editor, K3KUD, before the 15th of the month.

1964 Club Officers

President:	Enos Bartol	K3GNJ
Vice President:	Ed Moore	W3EQV
Treasurer:	George Weed	W3MHR
Secretary:	Al Lewis	W3WPD
Directors:	W3QQH(E64), K3DJE(E65)	
	W3YHV(E66), W3GOW(A)	
	K3HIJ(A), and all 1964	
	Club Officers	

NET AND NET FREQUENCIES

Channel 1 - 29.493 mc	Channel 3 - 147.78 mc
Channel 2 - 29.629 mc	Channel 4 - 50.7 mc
Orange Juice Net	Weekdays 0700 - 0730
Scrambled Egg Net	0730 - 0830
Ten-on-Ten	Sundays 1000 - 1100
Blarney sessions anytime	All Channels
29.493 kc	0930 - 2400

Monitored daily for the benefit of mobiles in the Philadelphia area.

PMRC CALENDAR

MEETINGS

Regular Meetings: First Monday of  
each month

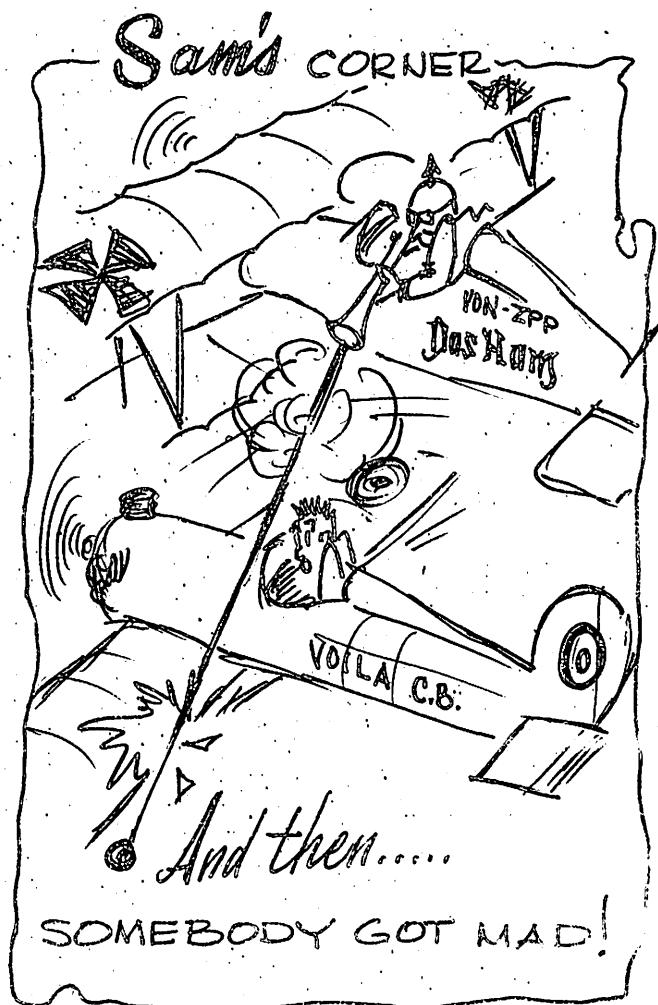
Time: 2000 hours (8:00 p.m.)

Place: THE FRANKLIN INSTITUTE

20 & Benjamin Franklin Parkway

MID-MONTH SCHEDULE

April 15, W3WNC	Aug. 19,
(Stag Dinner)	Sept. 16,
May 13, W3MHR	Oct. 14, W3GOW
June 17, W3VVS	Nov. 18,
July 15, W3NIP	Dec. 16,



## THE PREZ SEZ

As winter gives way to spring, a Philmonter's thoughts turn from things to do in the shack to things to do on the roof.

**FIX THAT ANTENNA :** The winter wind worked darn hard to place it in a position other than vertical, and the signal gives proof of at least partial success.

A quick survey of the situation tells you that the best course of action is to summon the Antenna Committee. A date will be set and on the appointed day you will find an eager group of Philmonters on your door step, ready to go to work. Usually the job can be completed in a few hours and, the Committee hopes, will keep the antenna in operation for a few years, at least.

With the work completed and everyone concerned happy with the result, you invite the gang to have some coffee and donuts. This provides a moment of pleasant relaxation and also gives the XYL a chance to meet some of the people who comprise the club that she hears so much about.

It is your prez's wish and sincere hope that the committee passes inspection, because in this way better relationships with the XYLs will be established.

de K3GNJ

\* \* \* \* \*

## IT SEEMS TO ME

Phil-Mont has always been a forward-looking club with a great deal of "esprit-de-corps", as evidenced by the progress made in its fifteen years of existence.

In any progressive organization, however, fifteen years, or even one year, is often too long a time to pursue a course without looking back, re-evaluating, and making such changes as appear warranted.

Now would seem to be a good time to re-evaluate our membership policy. Shall we pursue a "recruitment" plan, or would a limited membership be best? Should the dues be raised ? Do our requirements for membership assure that we get the kind of members we want and need ? Should our sponsorship plan for new members be overhauled?

It might be well if some of these questions were answered with positive action by the Directors and the membership, keeping in mind the thought that while we hope we can give something to every member, we must also ask prospective members, "what can you give to Phil-Mont?"

de K3KUD

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## NEWS AND ACTIVITIES

Phil Hunt Calendar for April:

Sunday, April 5 - 1:00 PM. Transmitter hunt.

Monday, April 6 - 8:00 PM. Regular meeting at the Franklin Institute.

The speaker will be Fred Shaw, W3ADV, and his subject, "Problems encountered in the installation of a microwave link between Wilmington and Dover, Delaware."

Wednesday, April 15 - 6:30 PM. Annual Stag Dinner at the Alpine Inn followed by mid-month business meeting at W3WNC.

Monday, April 27 - 7:30 PM. BLURB folding at W3LEM.

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The regular meeting for March was held at the Franklin Institute and was under the able guidance of Ed Moore, W3EQV, in the absence of our President. Paul Bohlander, W3VVS, discussed a home-brew VTVM and Jim Hartman, W3JYA, gave us a rundown in the new 6146B tube. After the completion of the technical portion of the meeting, Hy Hecht, W3WNC, took over in his role of auctioneer and proceeded to sell numerous and sundry items in the annual Freebee Auction. Joe Elmaleh, K3HIJ, announced that plans for future programs include talks on such topics as transistors, SSB, and new tube types, in addition to the annual October Auction and the December elections. Fred Shaw, W3ADV, presented a report from the W3TKQ committee. This report appears elsewhere in this issue. The usual coffee and doughnuts, courtesy of Al Hamilton, W3GIF, made the evening complete.

\* \* \* \* \*

The BLURB staff joins the membership of the club in extending sincere sympathy to Russ Miller, K3NYN, on the loss of his father, Russell Miller, K3PCW.

\* \* \* \* \*

A note from Frenchy, W3IRS, states the following: "As Pennsylvania Net Manager of Pennsylvania (Army) MARS, I feel that the membership should also know that there exists "another" MARS organization sponsored by the Army, which has been operating effectively for many years. Within the state of Pennsylvania we have 26 nets operating on weekly or daily basis and on frequencies ranging from 3237 kc through 148.01 mc, using CW, RTTY, AM phone and SSB. The state MARS Director is A/W3ELI and Assistant MARS Director is A/W3YA. All I see in the BLURB is Navy (the infant) and Air Force MARS."

We apologize to Frenchy and the Army MARS members for having ignored them in the past. Maybe the fact that Navy MARS sends me regular new release material and the Army doesn't, has some bearing. (Ed)

\* \* \* \* \*

The U.S. Signal Corps has ceased to exist as such. The organization is now known as the U.S. Communication and Electronics Corps.

\* \* \* \* \*

Brad Algeo, W3EM, reports that a new Heath SSB receiver which he has seen tested has a better signal/noise ratio, frequency stability and filter symmetry than any of the Collins line it has been compared with.

\* \* \* \* \*

NEWS AND ACTIVITIES (continued)

Phil-Mont having scored the greatest number of points during the 1963 Field Day, (aggregate mobile) has offered a trophy to be awarded to the club scoring the highest number of points each year in the aggregate mobile division. A letter has been forwarded to ARRL asking that they be the custodian of this award. (As nearly as I can determine ARRL has never even recognized Phil-Mont as a League member club. Ed). A copy of the letter follows:

Ellen White, W1YYM, Asst. Comm. Mgr.

ARRL

225 Main St.

Newington, Conn. 06111.

Dear Ellen:

The Phil-Mont Mobile Radio Club is looking forward to Field Day 1964 with the hope of getting more activity and competition into the aggregate mobile division. As last year's top scoring club, we would like to offer a Phil-Mont Mobile Radio Club Trophy to the club or mobile group that makes the highest aggregate mobile Field Day score.

The trophy would be retained by the winner for one year and then be passed on to the next year's winner.

In order to make such a trophy a success, we of Phil-Mont would like ARRL to accept this trophy and administer the award each year when the final Field Day results are published.

We are looking forward to the best Field Day ever in 1964, and hope your favorable reply will add more incentive to mobile operation.

Very truly yours,

William F. Bubeck, W3YHV

Chairman, Field Day Committee

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On March 4 the Philadelphia County Dental Society paid tribute to Dr. Lester W. Burket, dean of the University of Pennsylvania School of Dentistry. The citation said in part, "Dr. Burket, a physician as well as a dentist, is an outstanding researcher." Dr. Burket, when being considerably less formal (and formidable) is better known around Channel 1 as "Doc", W3HQJ. Our congratulations to you Doc on the receipt of another honor.

\*\*\*\*\*

Anyone interested in looking over copies of the exchange publications received by the Editor may do so by contacting Wayne Ziegler, the club historian. Each month all exchange material is turned over to him.

\*\*\*\*\*

The editor received quite a bit of material this month after his impassioned plea at the March meeting. Channel Chatter is still hard to come by however. Don't forget to jot down the interesting things you hear and give them to Bob, K3KUD.

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## NEWS AND ACTIVITIES (continued)

Navy MARS needs more participation on 27.95 mc and 49.65 mc. The 27.95 mc net is on Wednesday at 10:00 PM. and the 49.65 mc net is at 9:00 PM. on Wednesday. There is also activity on these frequencies on other nights. Net controls are N2ARF (W3PWG) and N2TPO (K3ECF).

\* \* \* \* \*

A new radio club in the Delaware Valley is the General Electric Switchgear Club. This club meets the first Wednesday of each month at the testing station on Island Road. The club has two nets on succeeding Wednesday nights, on 28.7 mc and 50.85 mc. Club President is Tom Shavney, K3YQL; Vice President, Rolland Madara, W3PWG; Secretary, Ken Adams, K4MOC/3; Treasurer, Frank Aaron, K3WJW. Sam Moskowitz, K3RTR, was the organizer.

\* \* \* \* \*

The North Penn Amateur Radio Club (sometimes referred to as Brand X), will hold its Annual Banquet on May 23. This is always a good banquet and a lot of fun. Why not plan now to attend and meet the gang from "the other frequency"?

\* \* \* \* \*

Report of the W3TKQ Committee:

Approval has been received from the FCC for the remote operation of W3TKQ. Control points for remote operation of the station are as follows: W3ADV; K3HIJ; K3GNJ; W3GIF; W3AWH; W3CDY. The necessary equipment for remote control has been developed and is being built by K3HIJ. When completed and installed, the operation of W3TKQ for such purposes as our code practice sessions will be greatly simplified.

It is intended to resume our code practice sessions very shortly. They will once again be on a six night per week schedule.

Chairman, W3ADV, announced that Bell Telephone Company has made available to Phil-Mont a microwave station. This equipment will be put to use by the club as an educational project. Details will be forthcoming in the near future.

The committee has decided to obtain a monitor scope for operation in conjunction with the equipment at the Franklin Institute. Whether to build the scope or buy a commercial unit is not yet firm, but the majority is in favor of constructing, provided much of the material can be obtained by donation from the membership of the club.

The new operators of the station will be asked to step up their monitoring of Channel 1 and to familiarize themselves with the members as soon as is possible. This will prevent a drop-off of activity on the frequency.

The committee also decided that an annual report of operations and progress will be prepared and submitted to Laurence LePage, W3QCV and Collins Radio Company. Laurence will in turn present the information to the members of the Institute at the Annual Meeting.

The following are the committee members who attended the meeting: W3ADV, PBR, AWH, CDY, K3HIJ and GNJ. Mr. Neathery, Museum Director was unable to attend due to a previous commitment.

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## NEW PUBLICATIONS

Howard W. Sams Company announces the release of a new book on ham radio construction. Written by Charles Caringella, W6NJV, the book is entitled "Practical Ham Radio Projects". Each chapter contains complete data for constructing a useful piece of equipment, complete with chassis layout diagrams, schematics, photos and parts lists.

Among the projects included is a 500 watt linear amplifier for all bands which can be built for about \$75. Other pieces of equipment which can be built from data contained in this book are, a 2 meter SSB mixer and linear amplifier; deluxe 6 meter mobile transmitter; universal transistor mobile modulator and power supply; transistor 2 meter superhet receiver, all band 500 watt antenna tuner; monitor scope for SSB and AM and a transistorized dip oscillator.

The book is available from electronics parts distributors and bookstores and costs \$2.50. Catalog number is ARC 1.

\* \* \* \* \*

## SPACE NOTES

Transit satellite, launched on September 28, 1963, is in orbit and operating - upside down!

\* \* \* \* \*

The United States Air Force, in 1963, orbited 58 different satellites, 30 of which are classified secret.

\* \* \* \* \*

A simple, personal transmitter which will derive its power from the energy of the human voice rather than batteries, is under development by the Datametrics Corporation of California. Power level will be about one micro-watt.

\* \* \* \* \*

The United States Weather Bureau, Oak Ridge, Tennessee calculates that the "canals" on Mars are really sand dunes 2500-3000 miles long. Surface pressure, terrestrial conditions and the winds on Mars as observed in Martian dust storms, lead to this conclusion. Patterns of the dunes on Mars are presumed to be formed by prevailing winds. A difficulty in this theory is that sand dunes on earth, as photographed by our satellites, show lighter than the desert surrounding them. On Mars they are darker.

\* \* \* \* \*

According to Electronic Specialties Company, a new 6 element antenna for missile tracking has its helices mounted aft of the rotating point of the array. This antenna provides 18 db gain and has excellent circular polarization.

\* \* \* \* \*

The failure of Ranger 6 to return video signals during the last 10 minutes of its flight was particularly frustrating in the wake of what had been a highly accurate flight. The probe hit within 20 miles of the target area at 4:24 AM, February 2, after a flight of 242,807 miles in 65 hours and 35 minutes.

\* \* \* \* \*

The recently discovered quasi-stellar radio sources, which are not stars or galaxies, but are among the brightest objects in the universe and among the most distant. Latest astral observations have heightened the mystery, the quasi-stellar source being both smaller than a radio galaxy and supplied with less energy.

\* \* \* \* \*

# SWAP AND SHOP

- For sale: Heathkit GW-52. One watt walkie-talkie; superhet receiver has built in squelch and noise limiter. Unit features rechargeable batteries with 12/110v charger. Guaranteed to operate for 5000 hours with 10-90 percent transmit-receive cycle. Brand new, professionally wired and tested. Presently operating on 29.493 mc; includes collapsible whip antenna, shoulder strap, earphone and all power accessories. \$89.50
- For sale: Viking Ranger, factory wired/tested. w/PPT. \$185.00
- For sale: Gonset GC105, 2 meter communicator. 18 months old. 12 vdc/110 vac. \$175.00
- For sale: Clegg 99'er-6 meter, 10 watt transceiver, new condition with xtal mike and 2 xtals. \$99.00
- For sale: Johnson Adventurer-50 watt CW transmitter, 80-10m. \$35.00

Contact - Jon Balch, K3HWX  
Channel 1.

\*\*\*\*\*

- For sale: Elmac RMR-6 receiver, A54 transmitter. GE 6/12 volt Vibrapack/ all in good working condition. \$110.00

Contact - George King, W3PXY  
Phone - 862-5357

\*\*\*\*\*

- For sale: 200-V Transmitter \$200.00  
Heath Warrior-1 KW Linear Amplifier \$175.00

Contact - Jack Mahoney, W3DJW  
Phone - TR-7-1008  
GR-6-4680

\*\*\*\*\*

- For sale: Viking Mobile Transmitter w/transistor power supply. (Estate of W3FUY) \$50.00

Contact - Brad Algeo, W3EM

\*\*\*\*\*

- For sale: 1 pair 813's new, in boxes. (RCA) \$7.00  
5763, 6CL6 in quantity. New, not boxed. each \$1.00  
5894, in quantity. Used. each \$4.50  
All above tubes guaranteed.

Contact K3JKT  
Phone - TR-8-5639

\*\*\*\*\*



## SWAP AND SHOP (continued)

For sale: Heath Apache Transmitter  
Heath SB-10 SSB Adaptor for Apache  
Heath Mohawk receiver

Make offer

Contact Frank Travers, W3LNQ  
Phone: NI-4-1900 (B)  
LA-5-2472 (H)

\*\*\*\*\*

For sale: Heath Apache transmitter  
Heath SB-10 SSB Adaptor

\$250.00

Contact W3IUH  
Phone: SA-9-5218

\*\*\*\*\*

For sale: Gonset G-50 six meter transceiver  
Excellent condition

\$210.00

Contact: Bob Schmilewske, K3KUD  
Phone: TU-4-0190

\*\*\*\*\*

## CHANNEL CHATTER

Think how Murray, K3SPS, felt when his DX-40 was outpowered by W3DJW walkie-talkie.---Jack, W3DJW, is now monitoring tub boats on 156.8 mc from the home QTH.---Jon, K3HWX and Jack, W3DJW, made their annual pilgrimage to the Amateur Radio Mecca, W1AW.---Kermit, W3AJ0, has a new Mercury Comet with plenty of room for ham gear. He will be mobile again as soon as possible.---Bill, K3HIE, reports a sign in Roslyn, Pa. which states, "Danger Blasting. No radio transmissions in this area." Location of sign: within 100 yards of W3AHZ and 300 yards of W3QV.---George, W3MER, got to visit his WW II ship, the submarine Sea OWL, while it was being overhauled at the Naval Shipyard. Largely responsible for making the necessary arrangements was Charlie, W3ZPP.---Al, K3GNM, is back in circulation again after an enforced rest to permit an injury to his knee to heal.---Bob, K3DJE, sojourning in Norfolk for two weeks at the taxpayers expense.---Jack, W3DJW, has joined the ranks of the six meter FM contingent with a base station type installation.---Where is Bob, K3CEE, these days? We don't hear him very often.---Bill, W3YHV, is now doing all the multilith work from his own QTH. Makes the printing of the BLURB a little less frantic.---Barhey, W3CW, is experimenting with his two tube giant mobile/rig - he may wind up on SSB with a KW if he can find the right tube.---Our Prez, Enie, K3GNJ, working in Washington and rushing home on the weekends to get in a little Channel 1 operating time.---YV3FJ was heard on the frequency on March 15. Sounded like old times on 10 meters! Our spies report that each of the Net Control stations will be checked for frequency on succeeding Sundays.---

This month marks the final appearance of Channel Chatter unless the next week produces a Channel Chatter Editor.

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## ARMED FORCES DAY TESTS

### Elements of the Program:

A military-to-amateur transmitting and receiving test for licensed amateur radio operators. The military stations will transmit crossband on spot frequencies outside the amateur bands and establish radio contacts with amateurs in the appropriate sections of the amateur bands. This is a test of crossband operations, and contacts will consist of a brief exchange of locations and signal reports. No traffic handling will be permitted.

A CW receiving contest will be conducted for any person capable of copying International Morse Code at 25 words per minute (WPM). The CW broadcast will consist of a special Armed Forces Day message from the Secretary of Defense addressed to all radio amateurs and other participants.

A radioteletypewriter (RATT) receiving contest will be conducted for any licensed amateur, individual or station that possesses the required equipment. This is a test of the operator's technical skill in aligning and adjusting his equipment, and serves to demonstrate the growing number of amateurs that are becoming skilled in this method of rapid communications. The RATT broadcast will be transmitted at 60 words per minute and will consist of a special Armed Forces Day message from the Secretary of Defense to all radioteletypewriter enthusiasts.

### Operating Schedules and Competition Procedures are as follows:

Each transmission for the CW and RATT receiving contests will commence at the indicated times with a ten minute CQ and identification call to permit the participants to select their station and frequency and to adjust their equipment.

The ten minute CQ call will be followed immediately by the appropriate competition instructions and the Secretary of Defense message. The message will be transmitted by all stations simultaneously and one time only. It is not necessary to copy more than one station and no extra credit will be given for so doing.

Transcriptions should be submitted "as received". No attempt should be made to correct possible transmission errors.

TIME, FREQUENCY AND CALL SIGN OF THE STATION COPIED AS WELL AS THE NAME, CALL SIGN (if any), AND ADDRESS OF THE INDIVIDUAL SUBMITTING THE ENTRY MUST BE INDICATED ON THE PAGE CONTAINING THE TEXT. Each year there are a large number of perfect copies that do not receive the certificates because the above information was not submitted.

Competition entries should be submitted to the Armed Forces Day Contest, Room 5B960, the Pentagon, Washington, D.C. and postmarked not later than 31 May 64.

## ARMED FORCES DAY TESTS (continued)

### CW Receiving Contest

<u>TIME</u>	<u>Transmitting Station</u>	<u>Frequencies</u>
16 May 1964		
170300 GMT (162300 EDST)	WAR/NSS/AIR (Army, Navy & Air Force Radio Wash., D.C.)	3347, 3385, 4015, 5200, 6970, 6992.5, 7301, 7680, 13995, 14405
170300 GMT (161900 PST)	A5USA (Army Radio San Francisco, Calif.)	6997.5
	NPG (Navy Radio San Francisco, Calif.)	4005, 7301.5, 13920
	A6CAA (Hamilton AFB Calif.)	7832.5

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### RATT Receiving Contest

<u>TIME</u>	<u>Transmitting Station</u>	<u>Frequencies</u> (KCS)
16 May 1964		
170335 GMT (162335 EDST)	WAR/NSS/AIR (Army, Navy & Air Force Radio Wash., D.C.)	14480, 3347, 4012.5 6992.5, 7305, 7380, 14405
170335 GMT (162135 CST)	A5USA (Ft. Sam Houston, Texas)	4025
	A44AA (Randolph Air Force Base, Texas )	4455
170335 GMT (161935 PST)	A6USA (Army Radio San Francisco, Calif.)	6997.5
170335 GMT (161935 PST)	A6CAA (Hamilton AFB, Calif.)	7832.5
	NPG (Navy Radio San Francisco, Calif.)	4001.5, 7455, 13895

### Military-to-Amateur Tests

Military stations WAR, NSS, and AIR will be on the air from 161400 GMT ( 1000 EDST - 0600 PST) to 170245 GMT (2245 EDST - 1845 PST.) NPG will be on the air from 161800 GMT (1000 PST) to 170800 GMT (170000 PST).

Amateur contacts from NPG will be discontinued from 170245 GMT (161845 PST) to 170400 GMT (162000 PST) to allow the Armed Forces Day CW and RATT Broadcast completion as scheduled above.

ARMED FORCES DAY TESTS (continued)

<u>STATION</u>	<u>MILITARY FREQUENCIES</u>	<u>APPROPRIATE AMATEUR BANDS (MCS)</u>
WAR (Army Radio Wash., D.C.)	4001.5 (CW)	3.5 to 3.8
	*4020 (AM)	3.8 to 4.0
	6992.5 (CW)	7.0 to 7.2
	*7325 (CW)	7.2 to 7.3
	*14405 (Upper SSB)	14.2 to 14.35
NSS (Navy Radio Wash., D.C.)	3365 (CW)	3.5 to 3.65
	4015 (CW)	3.65 to 3.8
	6970 (CW)	7.0 to 7.1
	7301 (CW)	7.1 to 7.2
	(TO be announced) (CW)	14.0 to 14.2
	*4040 (AM)	3.8 to 4.0 7.2 to 7.3
	14385 (SSB)	14.2 to 14.35
	4012.5 (RATT)	3.5 to 3.8
	7380 (RATT)	7.0 to 7.2
	14480 (RATT)	14.0 to 14.2
NPG (Navy Radio San Francisco, Calif.)	3357 (CW)	3.5 to 3.65
	4005 (CW)	3.65 to 3.8
	6835 (CW)	7.0 to 7.1
	7301.5 (CW)	7.1 to 7.2
	13920 (CW)	14.0 to 14.2
	*4045 (AM)	3.8 to 4.0
	13975.5 (SSB)	14.2 to 14.35
	4001.5 (RATT)	3.5 to 3.8
	7375 (RATT)	7.0 to 7.2
	13547 (RATT)	14.0 to 14.2
<p>*Operators transmitting on these frequencies will listen for Am and SSB signals within the appropriate bands.</p>		
AIR (Air Force Radio, Wash, D.C.)	3397.5 (CW)	3.5 to 3.8
	6997.5 (CW)	7.0 to 7.2
	13995 (CW)	14.0 to 14.2
	20994 (CW)	21.0 to 21.25
	7305 (Lower SSB)	7.2 to 7.3
	14397 (Upper SSB)	14.2 to 14.35
	7332 (RATT)	7.0 to 7.2

LATE ADDITIONS TO THE LATE EDITION

The following is a copy of a letter I received and which will be of interest to a great many members of the club:

Monroeville, Pa.  
March 15, 1964

K3KUD

Dear OM:

Read the March issue of the ELURB and glad to see that there is activity on 52.525 FM. This frequency has been used here in the Pittsburgh area for the past two years. Here is a list of stations that are on at present: W3IHS; NUF; BIS; KFB; NGL; WHA; BTT; K3UTS; QCV; KVP; WTZ; WSW; SOI; SON (Latrobe, PA.); NPW; NEX (both Monaca, Pa. on the Ohio line). There are a few more that will be on soon. This frequency is monitored 24 hours a day and anyone travelling west on the Turnpike can be heard as soon as they leave Laurel Hill Tunnel and can be heard along the Turnpike until they arrive at the Ohio line. There is also a lot of activity in Ohio, Indiana and Illinois. Detroit, Michigan also has plenty of activity. The Baltimore area is active on this frequency and they also have repeater stations located on the Virginia line. You can obtain a callbook for this frequency by writing to:

Ward D. Taylor, W4CTM  
4706 King William  
Richmond, 25, Va.

We are equipped with mobile and base stations here in the Pittsburgh area. Equipment is mostly RCA and Motorola. We had difficulty with TVI and that was licked by installing cavity resonators. If interested I can send details on this resonator and it can be constructed very reasonably. Maybe in the Philadelphia area TVI will not be a problem as you do not have Channel 2 as we have here.

Sincerely yours  
Jacob Melnick, W3IHS  
7735 Saltsbury Rd.  
Monroeville, Pa.

Many thanks to W3IHS for taking the time to send us the letter, and I hope that our six meter FM contingent will be able to make use of the information.  
(Ed)

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**THE DATE OF THE ANNUAL PHIL-MONT DINNER DANCE HAS BEEN ANNOUNCED!**

Prepare now for an evening of fun, food, and fellowship with the Phil-Mont gang. This will be our 15th Anniversary celebration and it will be the best yet.

Saturday, October 24, 1964  
William Penn Inn, Gwynedd.  
Tickets: \$15.00 per couple.

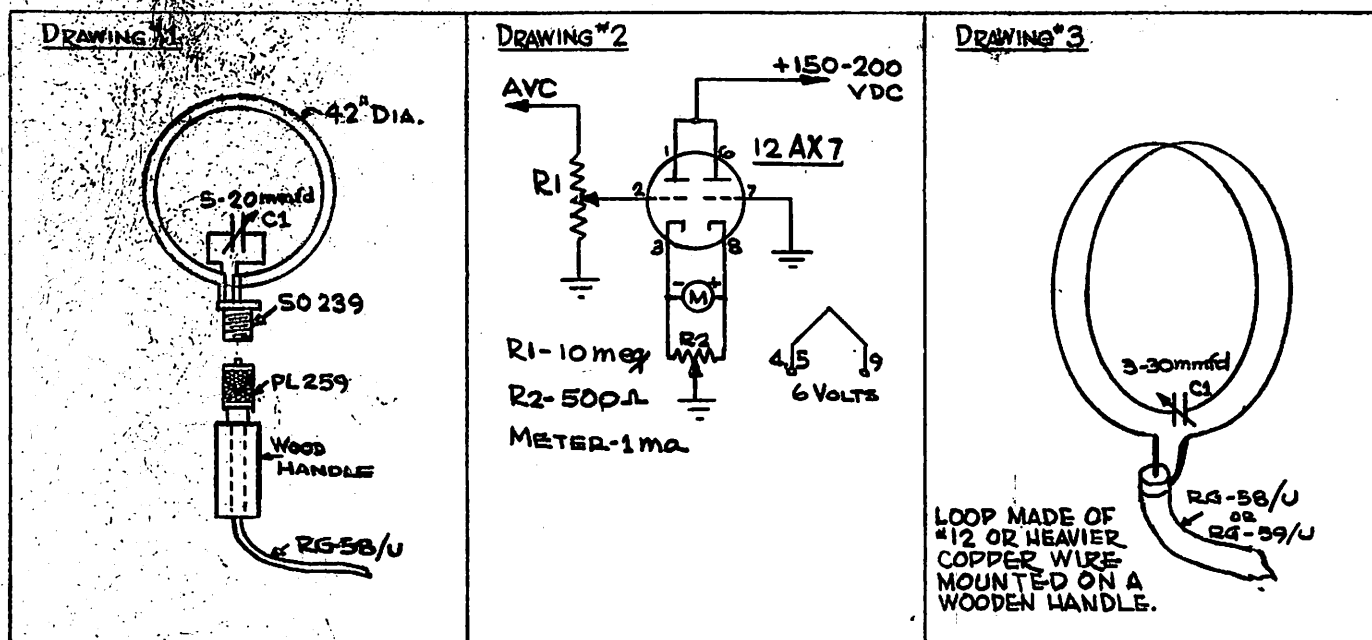
\* \* \* \* \*

Phil-Mont will provide communication for the 2nd Annual Canoe Race on the Delaware River on August 15 and 16. The course is between the Water Gap and Treasure Island Camp (Point Pleasant). Lloyd, W3CDY is our coordinator and he will have more information on this a little later.

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# PHILMONT TEK-NI-GRAM APRIL 1964

## GOODIES FOR HIDDEN TRANSMITTER HUNTS



1. Drawings N° 1 and N° 3 provide two methods of making a loop antenna. Drawing N° 1 is provided for the person that would like a more permanent unit and Drawing N° 3 is the quick and dirty type. You may be identified by your selection.
2. The loop is a resonant circuit, but it is advantageous to tune C1 slightly off frequency. This will provide sensing that will add to the versatility of the units.
3. It is an advantage to have an S meter on your receiver but adequate hearing information can be determined using acoustical audio.
4. For those of our older members whose hearing is becoming less sensitive, Drawing N° 2 is supplied. This is one of many variations of S meter circuits that are available and can be attached to a receiver with reasonable B voltage.
5. To adjust, set R1 for full scale meter deflection with the receiver tuned to a strong signal. Adjust R2 for zero on the meter with the receiver antenna terminals shorted. It will be necessary to reset R2 after a change is made in the adjustment of R1.
6. Before we are reprimanded for our plagiaristic tendencies acknowledgement is given to the Static and K3EWE for the material used in this Tek-Ni-Gram.

Good Hunting

TIME VALUE

THIRD CLASS MAIL  
RETURN REQUESTED

The "Blunk"  
A PHIL-MONT MOBILE RADIO  
CLUB PUBLICATION  
10 No. YORK RD. WILLOW GROVE PA.



PHIL-MONT MOBILE RADIO CLUB INC.